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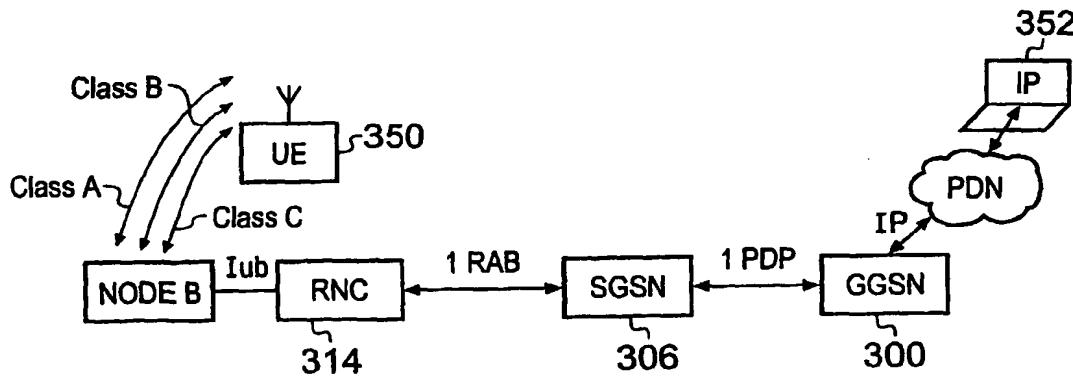
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(54) Title: TELECOMMUNICATIONS APPARATUS AND METHOD FOR COMMUNICATING INTERNET PROTOCOL PACKET DATA



**(57) Abstract:** A telecommunications system communicates internet packet data, carrying payload data including a plurality of different data types, with a mobile communications user equipment. The system comprises a gateway support node (GGSN), a service support node (SGSN) and a radio network controller (RNC). At least one of the gateway support node (GGSN) and the user equipment (UE) are operable to: parse the payload data in each data packet; generate a radio access bearer sub-flow indicator indicating the number of different types of data in the payload and the number of symbols in each different data type; and form a transport frame including the sub-flow indicator. The data packets are communicated between the radio network controller and the user equipment by detecting the sub-flow indicator, and in accordance with the sub-flow indicator arranging for the data from each of the different data fields to be communicated via a different radio access bearer providing different quality of service parameters appropriate for the different data type.



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/098077 A (ERICSSON TELEFON AB L M) 5 December 2002 (2002-12-05) page 1, line 25 – page 2, line 9 page 3, line 14 – line 24 page 7, line 14 – page 8, line 29 page 9, line 8 – line 26 page 11, line 22 – page 12, line 2 page 13, line 18 – page 17, line 7 page 22, line 7 – line 20 figures 3,5,7	1-27
X	EP 1 096 742 A (LUCENT TECHNOLOGIES INC) 2 May 2001 (2001-05-02) paragraph '0009! paragraph '0029! – paragraph '0030! paragraph '0039! – paragraph '0059!	1-27

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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A	WO 01/76282 A (ERICSSON TELEFON AB L M) 11 October 2001 (2001-10-11) page 13, line 1 - page 14, line 14 -----	1-27
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E	EP 1 443 784 A (MITSUBISHI ELECTRIC CORP) 4 August 2004 (2004-08-04) paragraph '0012! paragraph '0018! - paragraph '0029! paragraph '0092! - paragraph '0108! & WO 03/041437 A (OHTSUKA AKIRA ; NUMAKURA KEIKO (JP); MITSUBISHI ELECTRIC CORP (JP)) 15 May 2003 (2003-05-15) -----	1-27
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